

# Safety Data Sheet

Issue Date: 16-Sep-2003

Revision Date: 10-Jan-2017

Version 2

## 1. IDENTIFICATION

**Product Identifier**

Product Name FX DIRT

**Other means of identification**

SDS # DLM-011

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Artificial dirt product made from selected minerals intended for use in the motion picture/television industry to replace naturally occurring dirt, dust, etc. Not an organic material.

**Uses Advised Against** Not for use by children. Do not use for atmosphere effects†  
†Not a substitute for fog that is suspended in the atmosphere for prolonged periods of time.  
Intermittent use not to exceed SDS Exposure Guidelines.

**Details of the supplier of the safety data sheet**

**Supplier Address**

De La Mare Engineering, Inc.  
1910 First St.  
San Fernando, CA 91340

**Emergency Telephone Number**

**Company Phone Number** 1-818-365-9208  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Yellow powder

**Physical state** Solid

**Classification**

Combustible Dust

**Signal Word**

Warning

**Hazard statements**

May form combustible dust concentrations in air

Prior to product sales tests performed:

1. Asbestos Analysis of Bulk Materials.  
% Non-Asbestos = 100% Non-fibrous (other)  
% Asbestos = None Detected
2. Silica (Crystalline) Analysis of Bulk Samples.  
Reporting limit for Quartz = 0.2%  
Reporting limit for Cristobalite and Tridymite = 0.8%  
% a-Quartz = < .2%  
% Cristobalite = < .8%  
% Tridymite = < .8%

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Proprietary	Proprietary	90-100
Magnesium Carbonate	546-93-0	<5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if necessary.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if necessary.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if necessary.
<b>Ingestion</b>	Rinse mouth. Get medical attention if necessary.

#### Most important symptoms and effects

<b>Symptoms</b>	Inhalation may cause lung irritation or damage. Chronic exposure may result in shortness of breath, fatigue and chest pain. Overexposure to this material may aggravate chronic lung disease, chronic bronchitis or asthma.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Dust can form an explosive mixture with air.

#### Explosion Data

**Sensitivity to Static Discharge** AVOID GENERATING DUST. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

### Environmental precautions

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike spill and prevent spill from entering sewers and waterways.

**Methods for Clean-Up** Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust or accumulating dust. Avoid dust dispersal in the air (i.e. cleaning dust surfaces with compressed air). If possible, complete cleanup on a dry basis. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures and oxidizing agents. Non-sparking tools should be used.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Do not cut or alter device. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Keep out of the reach of children. Avoid generation of dust. Avoid breathing dusts. Avoid contact with skin and eyes. Minimize dust generation and accumulation. Ensure that dust does not accumulate on surfaces.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not transfer contents to bottles or other unlabeled containers. Keep away from heat, open flames and oxidizing agents.

**Incompatible Materials** Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	(vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust
Magnesium Carbonate 546-93-0	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

### Appropriate engineering controls

**Engineering Controls** Explosion-proof general and local exhaust ventilation. Use explosion proof electrical equipment for very high dust levels. Ensure ventilation and dust-handling systems prevent the escape of dust into work areas and there is no leakage from equipment.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	None required under normal use.
<b>Skin and Body Protection</b>	None required under normal use.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. Nuisance dust mask 3M type 8710 or equivalent. (Recommended).

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Solid		
<b>Appearance</b>	Yellow powder	<b>Odor</b>	Not determined
<b>Color</b>	Not determined	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>		<b>Remarks • Method</b>
pH	Not determined		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	Not applicable		
<b>Flash Point</b>	Not combustible		
<b>Evaporation Rate</b>	Not applicable		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Flammability Limits in Air</b>			
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not applicable		
<b>Vapor Pressure</b>	Not applicable		
<b>Vapor Density</b>	Not applicable		
<b>Relative Density</b>	Not determined		
<b>Water Solubility</b>	Not determined		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto-ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Dust can form an explosive mixture with air		
<b>Oxidizing Properties</b>	Not determined		

**Other Information**

Particle size range ( $\mu\text{m}$ )	%wt
>180	38.8
45-180	26.4
10-45	33.8
<10 (respirable)	1.0

Note: The weight percentages of finer particle may be underestimated due to particle agglomeration. Respirable particles are defined as particles of size less than 10 $\mu\text{m}$ .

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

See Sec. 7 Handling & Storage.

**Incompatible Materials**

Oxidizing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

## **11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Avoid inhalation of dust.
<b>Ingestion</b>	Do not ingest.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Black Iron Oxide 1317-61-9	> 10000 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Group 3 - Not Classifiable as to Carcinogenicity in Humans.

Chemical Name	ACGIH	IARC	NTP	OSHA
Proprietary		Group 3		X

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Proprietary		100: 96 h Brachydanio rerio g/L LC50 semi-static	

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Dispose of in accordance with federal, state and local regulations. Please contact manufacturer for more detailed disposal information.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT

Please contact manufacturer for most current information

### IATA

Please contact manufacturer for most current information

### IMDG

Please contact manufacturer for most current information

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	X	X	X	Present	X	Present	X	X
Magnesium Carbonate	X	X	X	Present	X	Present	X	X

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Not determined

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary	X	X	X
Magnesium Carbonate 546-93-0		X	

**16. OTHER INFORMATION****Additional Product Information**

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

**NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal Protection**

Not determined

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16-Sep-2003

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13-Jul-2015

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**